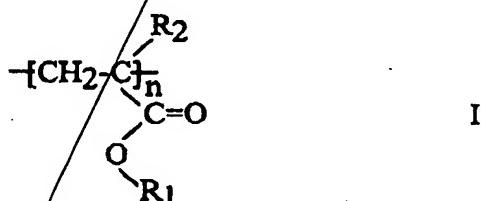


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dimethacrylate, and/or an urethane dimethacrylate resin; a filler, initiator, a coupling agent and, optionally, additional additives.

*P120*  
*21.* (New) A microwave curable composition suitable for a denture base according to claim *20*, wherein said composition comprises (a).

*P120*  
*22.* (New) A microwave curable composition suitable for a denture base according to claim *21*, wherein said composition contains at least one acrylic polymer containing repeating monomer units represented by the formula



wherein

*R*<sub>1</sub> represents a hydrogen atom, an alkyl group, a substituted alkyl group, a benzyl group, a hydroxy alkyl group, a cyclic hydrocarbon, an ether group,

*R*<sub>2</sub> represents a hydrogen atom, a halogen atom, an alkyl group, or a substituted alkyl group, and

*n* is an integer of two or more.

*P120*  
*23.* (New) A microwave curable composition suitable for a denture base according to claim *22*, wherein *R*<sub>1</sub> represents a hydrogen atom, an alkyl group, a cyclic hydrocarbon, a benzyl group, a hydroxy alkyl group, or an ether group.

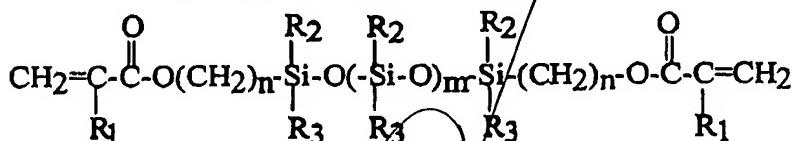
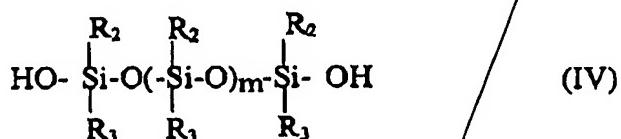
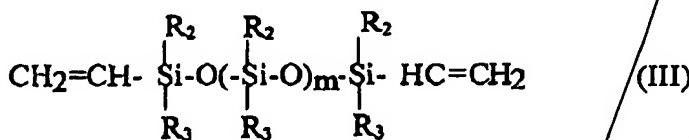
*P120*  
*24.* (New) A microwave curable composition suitable for a denture base according to claim *22*, wherein *R*<sub>2</sub> represents a hydrogen atom, a halogen atom, or an alkyl group.

*P120*  
*25.* (New) A microwave curable composition suitable for a denture base according to claim *21*, wherein said filler comprises an organic filler or an inorganic filler.

*P120*  
*26.* (New) A microwave curable composition suitable for a denture base according to claim *20*, wherein, wherein said composition comprises (b).

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*24*  
*27*. (New) A microwave curable composition suitable for a denture base according to  
claim *25*, wherein said organopolysiloxane is represented by any of formulas (III), (IV) or (V)



wherein said formulas

*m* represents a value of 1 to about 6,000,

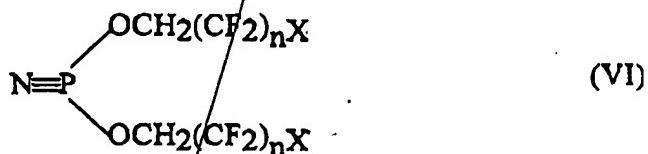
*n* represents an integer having a value of 1 to 6,

*R*<sub>1</sub> represents a hydrogen atom or an alkyl group,

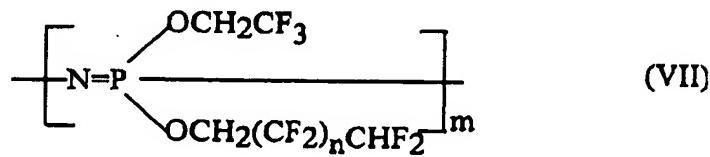
*R*<sub>2</sub> represents an alkyl group of 1-6 carbon atoms, and

*R*<sub>3</sub> represents an alkyl group having 1-6 carbon atoms.

*26*  
*28*. (New) A microwave curable composition suitable for a denture base according to  
claim *20*, wherein said composition comprises (b) and said at least one phosphonitrile  
fluoropolymer that is represented by formula (VI):



in which *X* represents a hydrogen atom or fluorine atom, *n* is a value of 1 to 11; or  
that has repeating monomer units represented by formula (VII):



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in which n represents 3, 5, 7, 9 or 11 and m is from 10,000 to 50,000.

*R.128*  
*19* 29. (New) A microwave curable composition suitable for a denture base according to  
claim *20*, wherein said composition comprises (c).

*R.129*  
*19* 30. (New) A microwave curable composition suitable for a denture base according to  
claim *20*, wherein said initiator comprises at least one microwave sensitive compound.

*R.130*  
*19* 31. (New) A microwave curable composition suitable for a denture base according to  
claim *30*, wherein said initiator comprises at least one member selected from the group  
consisting of benzoyl peroxide, dilauroyl peroxide, (tert-butyl) peroctoate, tert-butyl  
perbenzoate, 2,4-dichlorobenzoyl peroxide and 4,4-dichlorobenzoyl peroxide.

*R.131*  
*19* 32. (New) A microwave curable composition suitable for a denture base according to  
claim *30*, wherein said composition contains 0.05% to 1.0% by weight of said initiator.

*R.132*  
*19* 33. (New) A microwave curable composition suitable for a denture base according to  
claim *29*, wherein said coupler comprises gamma-methoxypropylene silane or a  
thiomethacrylate.

*R.133*  
*19* 34. (New) A microwave curable composition suitable for a denture base according to  
claim *21*, wherein (a) further comprises an amine accelerator.

*R.134*  
*19* 35. (New) A microwave curable composition suitable for a denture base according to  
claim *20*, wherein said filler comprises particles having a particle size in the range of 0.04 to  
approximately 10 micrometers.

*R.135*  
*19* 36. (New) A method for forming a hardened object comprising  
(i) forming a hardenable composite from a microwave curable composition  
according to claim *20*; and  
(ii) obtaining said hardened object by using a hand-held microwave applicator to  
apply microwave energy to harden said composite.

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R126  
P1  
P1  
<sup>36</sup>37. (New) A method according to claim <sup>35</sup>36, wherein said composite is a dental prosthetic or orthopedic element.

<sup>37</sup>38. (New) A method according to claim <sup>35</sup>36, wherein said composite is a dental prosthetic and in (ii) the hardening is intra-oral using said hand-held microwave applicator.

<sup>38</sup>39. (New) A method according to claim <sup>37</sup>36, wherein said dental prosthetic is a composite filling, a crown, a bridge, an inlay, an overlay, a facing, a veneer or orthodontic appliance.

See Appendix